Edoardo Maria Ponti

Curriculum Vitae

Professional Experience

Aug 2022 - now	**Lecturer in Natural Language Processing**, *University of Edinburgh*.
Oct 2020 - now	**Affiliated Lecturer**, *University of Cambridge*.
Apr 2022 - Jul 2022	**Visiting Postdoctoral Scholar**, *Stanford University*.
Oct 2020 - Jul 2022	**Postdoctoral Fellow**, *Mila – Quebec Artificial Intelligence Institute* and *McGill University*, Montreal.
Jul 2019 - Sep 2019	**AI / ML Research Intern**, *Apple*, Cupertino. Activities: Multilingual dialogue for Siri.

Education

Oct 2016 - Sep 2020	**PhD, Computational Linguistics**, *University of Cambridge*. Supervisors: Prof. Anna Korhonen and Dr. Ivan Vulić. Examiners: Prof. Ivan Titov and Prof. Aline Villavicencio. Thesis: *Inductive Bias and Modular Design for Sample-Efficient Neural Language Learning*. Student of St John's College.
Oct 2014 - Jul 2016	**Master, Theoretical and Applied Linguistics**, *University of Pavia*. Thesis: *Identifying Causal Relations between Events with Artificial Neural Networks*. 110/110 with distinction and publication recommended (extremely rare). Student of Collegio Ghislieri. Erasmus exchange: University of Cambridge.
Oct 2011 - Jul 2016	**Diploma**, *IUSS – School for Advanced Studies*, Pavia. Distinction. Courses: neuroscience and theoretical syntax.
Oct 2011 - Jul 2014	**Bachelor, Modern Literature**, *University of Pavia*. Student of Collegio Ghislieri. Erasmus exchange: University of Helsinki.

Grants

Oct 2022	**Edinburgh Laboratory for Integrated Artificial Intelligence**, £100K. Project: *Gradient-based Learning of Complex Latent Structures* (ongoing) Recipients: Pasquale Minervini (PI), Antonio Vergari, and me.
Mar 2020	**ERC Proof-of-Concept Grant**, €150K. Project: *Enabling Multilingual Conversational AI* Recipients: Anna Korhonen (PI), Ivan Vulić, and me.

Mar 2019	**Google Faculty Research Award**, $61K. Project: *Automatic Induction and Adaptation of Syntactic Structures for Improved Cross-Lingual NLP* (funded the 4th year of my PhD) Recipients: Anna Korhonen (PI), Roi Reichart, Ivan Vulić, and me.

Awards

Oct 2021	**Best Paper Award**, EMNLP 2021. Paper: *Visually Grounded Reasoning across Languages and Cultures*
Aug 2019	**Best Paper Award**, Repl4NLP 2019. Paper: *Specializing Distributional Vectors of All Words for Lexical Entailment*
Feb 2022	**IVADO Postdoctoral Fellowship**.
Feb 2021	**ETH Zurich AI Centre Postdoctoral Fellowship**, (declined).
Jun 2017	**Parsons Fund**, *St John's College, University of Cambridge.*
Jun 2017	**Robert Sloley Award**, *St John's College, University of Cambridge.*
Dec 2016	**Young Researcher Best Paper Award**, *3rd Italian Conference of Computational Linguistics.*
2016	**Self-placed Fulbright Scholarship**, (declined).
Sep 2011 - Jul 2016	**Institute for Advanced Study Scholarship**, *University of Pavia.*
2014	**Collegio Ghislieri Scholarship**, *University of Pavia.* Best student in contest.

Teaching Experience

Lecturer

Sep 2022 - Nov 2022	**Accelerated Natural Language Processing**, University of Edinburgh.

Guest Lecturer

Feb 2022	**Natural Language Understanding with Deep Learning**, McGill University.

Supervisor

Oct 2017 - May 2020	**Computational Linguistics**, University of Cambridge.

Demonstrator

Oct 2017 - May 2018	**Machine Learning and Real-world Data**, University of Cambridge.

Student Supervisor

PhD, Piotr Nawrot and Yifu Qiu (University of Edinburgh), Han Zhou (University of Cambridge). **Master's thesis**: Jia Wan and Huilei Wang (University of Cambridge), Florian Schottmann (ETH Zurich). **Bachelor's thesis**: Bonamy Meath-Baker (University of Cambridge).

Summer Schools

Jul 2017	**Generative Lexicon: Integrating Theoretical and Distributional Methods**, Materials for the course at ESSLLI 2017.

Tutorials

May 2022   **Natural Language Processing for Multilingual Task-Oriented Dialogue**, Tutorial at ACL 2022.

Nov 2019   **Semantic Specialization of Distributional Word Vectors**, Tutorial at EMNLP-IJCNLP 2019.

Conference Organisation

2022   **Workshop on Multilingual Multimodal Learning**, ACL 2022.

2019 - 2021   **Workshop on Research in Computational Typology and Multilingual NLP (SIGTYP)**, co-located with ACL 2019, EMNLP 2020, and EMNLP 2021.

Oct 2018 - Dec 2019   **Cambridge LTL Seminar Series**, coordinator.

Oct 2019   **Conference '*Science, Policy, and the Public*'**, St John's College.

Feb 2019   **St John's College Graduate Symposium**, University of Cambridge.

Dec 2014   **Conference '*Compter, Parler, Soigner: Between Linguistics and Artificial Intelligence*'**, Collegio Ghislieri.

Service

Publicity/Sponsorship Chair, CoNLL 2018.

Program Co-Chair Assistant, ACL 2019.

Action Editor, *ACL Rolling Review*, 2021.

Area Chair, *EACL 2022 (Multilinguality), EACL 2021 (Morphology), *SEM 2021 (Multilinguality), EACL 2022 (Multilinguality)*.

Reviewer, *ACL 2018, EMNLP 2018, NAACL 2019, *SEM 2019, ACL 2019, EMNLP 2019, AAAI 2019, ACL 2020 (**Outstanding Reviewer**), EMNLP 2020, EACL 2021 (**Outstanding Reviewer**), Artificial Intelligence, Natural Language Engineering, Language Resources and Evaluation, Journal of Historical Linguistics*.

Co-founder and Committee Member, *ACL Special Interest Group on Typology (SIGTYP)*.